

BOCKlub E85

Safety Data Sheet

according to WHS Regulations (SLI No. 262 of 2011), as amended and in force on 1 September 2024
Date of issue: 06/11/2024 Revision date: - Version/Replaced version: 1.0/-



Section 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : BOCKlub E85

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use of the substance/mixture : Lubricant

1.4. Details of manufacturer or importer

Supplier (Germany)
BOCK GmbH
Benzstraße 7
72636 Frickenhausen - Germany
T: +49 7022 9454 0
E-mail: info@bock.de

Supplier (Australia)
Danfoss (Australia) Pty Ltd
2 National Drive
Dadendong South 3175 VIC - Australia
T: 1300 328 008
E-mail: customercare.pac@danfoss.com

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.5. Emergency phone number

| Country | Organisation/Company | Address | Emergency telephone number |
|-----------|-----------------------------|---------|----------------------------|
| Australia | Poisons Information Hotline | - | 13 11 26 |

Section 2: Hazard(s) identification

2.1. Classification of the hazardous chemical

GHS Classification according to WHS Regulations

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements, including precautionary statements

GHS Labelling according to WHS Regulations

No labelling applicable

2.3. Other hazards

No additional information available

Section 3: Composition and information on ingredients, in accordance with Schedule 8

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to WHS Regulations |
|------------------------------|---------------------|-----------|--|
| Triaryl phosphate, alkylated | (CAS-no) 68937-40-6 | 1 – < 2.5 | Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |

Full text of H-phrases: see section 16

Section 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Remove/Take off immediately all contaminated clothing. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash with plenty of soap and water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Rinse mouth. Drink water as a precaution.

BOCKlub E85

Safety Data Sheet

according to WHS Regulations (SLI No. 262 of 2011), as amended and in force on 1 September 2024

4.2. Symptoms caused by exposure

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Medical attention and special treatment

Treat symptomatically.

Section 5: Firefighting measures

5.1. Suitable extinguishing equipment

Suitable extinguishing media : Adapt extinguishing agent to suit the environment. Carbon dioxide. Dry extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Move containers away from the fire area if this can be done without risk.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide adequate ventilation. Spilled material may present a slipping hazard.

Emergency procedures : Evacuate unnecessary personnel.

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls and personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Contain the spilled material by bunding. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Stop leak if safe to do so. Dispose of in accordance with relevant local regulations.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid the formation of aerosol. Avoid contact with skin and eyes. Wear suitable protective clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Keep at temperature not exceeding the flash point.

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

Section 8: Exposure controls and personal protection

8.1. Exposure control measures

| Triaryl phosphate, alkylated (68937-40-6) | | |
|---|------------------|--------------------------------|
| Australia | Local name | Triphenyl phosphate [115-86-6] |
| Australia | HCIS TWA (mg/m³) | 3 mg/m³ |
| ACGIH | Local name | Triphenyl phosphate [115-86-6] |
| ACGIH | TLV-TWA (mg/m³) | 3 mg/m³ |
| ACGIH | Remark (ACGIH) | A4 |

8.2. Biological monitoring

No additional information available

8.3. Control Banding

No additional information available

8.4. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

BOCKlub E85

Safety Data Sheet

according to WHS Regulations (SLI No. 262 of 2011), as amended and in force on 1 September 2024

8.5. Individual protection measures, for example personal protective equipment (PPE)

| | |
|---------------------------------|--|
| Hand protection | : Wear suitable gloves (AS/NZS 2161 or equivalent). Nitrile rubber. 0.38 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye protection | : Safety goggles (AS/NZS 1337 or equivalent) recommended during refilling. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : No respiratory protection needed under normal use conditions. In case of inadequate ventilation wear respiratory protection. Breathing apparatus with filter A (AS/NZS 1716 or equivalent). |
| Environmental exposure controls | : Avoid release to the environment. |

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|----------------------------------|
| Physical state | : Liquid |
| Colour | : Yellow |
| Odour | : Characteristic |
| Melting point/freezing point | : No data available |
| Boiling point or initial boiling point and boiling range | : No data available |
| Flammability | : No data available |
| Lower and upper explosion limit/flammability limit | : No data available |
| Flash point | : 246 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| pH | : No data available |
| Kinematic viscosity | : 80 mm ² /s (40 °C) |
| Solubility | : Water: practically insoluble |
| Partition coefficient n-octanol/water (log value) | : Not applicable |
| Vapour pressure | : No data available |
| Density and/or relative density | : 0.99 g/cm ³ (15 °C) |
| Relative vapour density | : No data available |
| Particle characteristics | : Not applicable |

9.2. Other information

| | |
|----------------------|---------------------------|
| Explosive properties | : No explosive properties |
| Oxidising properties | : No oxidising properties |

Section 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases are released. Carbon dioxide. Carbon monoxide.

Section 11: Toxicological information

11.1. Information on hazard classes

| | |
|----------------|--|
| Acute toxicity | : Not classified |
| | Based on available data, the classification criteria are not met |

Triaryl phosphate, alkylated (68937-40-6)

| | |
|--------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

BOCKlub E85

Safety Data Sheet

according to WHS Regulations (SLI No. 262 of 2011), as amended and in force on 1 September 2024

| Triaryl phosphate, alkylated (68937-40-6) | |
|---|--|
| LC50 Inhalation rat | > 0.4 mg/l/6 h |
| Skin corrosion/irritation | : Not classified Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | : Not classified Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | : Not classified Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | : Not classified Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified Based on available data, the classification criteria are not met |
| Specific Target Organ Toxicity (STOT) — single exposure | : Not classified Based on available data, the classification criteria are not met |
| Specific Target Organ Toxicity (STOT) — repeated exposure | : Not classified Based on available data, the classification criteria are not met |
| Aspiration hazard | : Not classified Based on available data, the classification criteria are not met |

11.2. Information on other hazards

| | |
|--|---------------------------------------|
| Information on possible routes of exposure | : Oral, dermal, inhalative |
| Early onset symptoms related to exposure | : No additional information available |
| Delayed health effects from exposure | : No additional information available |
| Exposure levels and health effects | : No additional information available |
| Interactive effects | : None known. |
| Mixtures of chemicals | : No additional information available |
| Other information | : No additional information available |

Section 12: Ecological information

12.1. Ecotoxicity

| | |
|--------------------------|------------------|
| Acute aquatic toxicity | : Not classified |
| Chronic aquatic toxicity | : Not classified |

| Triaryl phosphate, alkylated (68937-40-6) | |
|---|---|
| LC50 fish | 0.8 mg/l 96 h, <i>Ictalurus punctatus</i> |
| EC50 crustacea | 0.202 mg/l 48 h, <i>Daphnia magna</i> |
| EC50 algae | 1.4 mg/l 72 h, <i>Raphidocelis subcapitata</i> |
| NOEC chronic fish | 0.093 mg/l 90 d, <i>Pimephales promelas</i> |
| NOEC chronic crustacea | 0.0399 mg/l 21 d, <i>Daphnia magna</i> |
| NOEC chronic algae | 0.05 mg/l 72 h, <i>Raphidocelis subcapitata</i> |

12.2. Persistence and degradability

| Triaryl phosphate, alkylated (68937-40-6) | |
|---|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 61 % 28 d (OECD 301 D) |

12.3. Bioaccumulative potential

| Triaryl phosphate, alkylated (68937-40-6) | |
|---|--------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.68 (25 °C) |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1. Disposal methods

| | |
|------------------------------|---|
| Regional legislation (waste) | : Dispose in a safe manner in accordance with local/national regulations. |
| Waste treatment methods | : Do not empty into drains. Dispose of this material and its container in a safe way. |

BOCKlub E85

Safety Data Sheet

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Section 14: Transport information

In accordance ADG / IMDG / IATA

14.1. UN number

UN-No. (ADG) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. Proper Shipping Name or Technical Name

Proper Shipping Name (ADG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group number

Packing group (ADG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards for transport purposes

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

Transport by road and rail (ADG)

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

14.7. Additional information

No additional information available

14.8. Hazchem or Emergency Action Code

Not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

Contains no substance(s) subject to the Rotterdam Convention.

Stockholm Convention on Persistent Organic Pollutants

Contains no substance(s) subject to the Stockholm Convention.

Montreal Protocol on Substances that Deplete the Ozone Layer

Contains no substance(s) subject to the Montreal Protocol.

Work Health and Safety Regulations 2011

Contains no restricted hazardous chemicals according to Schedule 10, table 10.3 of the Work Health and Safety Regulations 2011.

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Section 16: Any other relevant information

Data sources : Work Health and Safety Regulations 2011 (Select Legislative Instrument No. 262, 2011) as amended and in force, dated 1 September 2024, in conjunction with the Work Health and Safety Amendment (Chemicals Labelling) Regulations 2023 dated 13 December 2023.

Date of preparation or review : 06/11/2024

Changes compared to the previous version : -

Key abbreviations or acronyms used:

| | |
|-----------------|---|
| ADG | Australian Code for the Transport of Dangerous Goods by Road & Rail |
| EC50 | The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration) |
| IATA | International Air Transport Association |
| IMDG | “International Maritime Dangerous Goods Code” for the transport of dangerous goods by sea |
| LC50 | Lethal Concentration to 50 % of a test population (Median Lethal Concentration) |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| OECD | Organisation for Economic Cooperation and Development |
| WHS Regulations | Work Health and Safety Regulations 2011 (Select Legislative Instrument No. 262, 2011) |

Full text of H-phrases:

| | |
|-------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard, Category 2 |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.